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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,212	11/20/2003	Toshikazu Morisawa	088485-0239	9033

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FOLEY & LARDNER  
2029 CENTURY PARK EAST  
SUITE 3500  
LOS ANGELES, CA 90067

EXAMINER

BROWN, MICHAEL J

ART UNIT	PAPER NUMBER
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2116

DATE MAILED: 05/15/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/718,212

Applicant(s)

MORISAWA, TOSHIKAZU

Examiner

Michael J. Brown

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 9/6/05, 12/13/05.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. The information disclosure statement (IDS) submitted on 11/20/2003, 12/13/2004, and 9/6/2005 were filed. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

### ***Claim Objections***

2. Claim 22 is objected to because of the following informalities: Claim 22 reads to be dependent upon claim 6, examiner assumes that applicant intends claim 22 to depend upon claim 21. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-29 are rejected under 35 U.S.C. 102(e) as being anticipated by Yamazaki(US PGPub 2003/0139207).

As to claim 1, Yamazaki discloses an electronic apparatus(wireless communication apparatus 101, see Fig. 2) configured to be powered by an AC power source(external power supply 107, see Fig. 2) or alternatively by a second power source(built-in battery 204, see Fig. 2) different from the AC power source comprising a receiver(control processor 202, see Fig. 2) configured to receive information from an external device(computer 103, see Fig. 2), and a controller(power controller 203, see Fig. 2) configured start supplying power from the second power source based on the information, received from the external device via the receiver, indicating the electronic apparatus is to be supplied power from the second power source.

As to claim 2, Yamazaki discloses the electronic apparatus further comprising an external power supply(plug socket 106, see Fig. 2) input portion configured to receive power from the AC power source, and wherein the controller starts supplying power to the electronic apparatus from the external power supply input portion based on the information, received from the external device via the receiver, indicating the electronic apparatus is to be supplied power from the external power supply input portion.

As to claim 3, Yamazaki discloses the electronic apparatus further comprising a timer configured to maintain a time, wherein the information includes start time information indicating the time that the controller to start supplying power to the electronic apparatus from the second power source, the controller supplying power from the battery when the time of the timer reaches to the start time(see paragraph 0032).

As to claim 4, Yamazaki discloses the electronic apparatus wherein the information includes end time information indicating the time when the controller us to

stop supplying power to the electronic apparatus from the second power supply, and the controller stops supplying power to the electronic apparatus from the second power supply and starts supplying power to the electronic apparatus from the external power supply input portion when the time of the timer reaches to the end time(see paragraph 0032).

As to claim 5, Yamazaki discloses the electronic apparatus wherein the controller charges the second power supply based on the information which includes second power supply charge information indicating charging the second power supply when the electronic apparatus is supplied power from the external power supply input portion(see paragraph 0053).

As to claim 6, Yamazaki discloses the electronic apparatus wherein the second power supply comprises a battery(built-in battery 204, see Fig. 2).

As to claim 7, Yamazaki discloses the electronic apparatus wherein the battery is portable with and located internally of the electronic apparatus(see Fig. 2).

As to claim 8, Yamazaki discloses a server(computer 103, see Fig. 2) communicating with a computer(wireless communication apparatus 101, see Fig. 2) and a power company(plug socket 106, see Fig. 2), comprising a receiver(control processor 202, see Fig. 2) for receiving power load(external power supply 107, see Fig. 2) information transmitted from the power company, a control unit(power controller 203, see Fig. 2) for determining information indicating that the computer is to be switched from being powered by power from the power company to being powered from a second power source(built-in battery 204, see Fig. 2) contained in the computer based

on the received power load information, and a transmitter(connection interface 104, see Fig. 2) for transmitting the determined information to the computer.

As to claim 9, Yamazaki discloses the server wherein the control unit further determines information indicating the computer to be supplied power from the commercial power supply based on the received power load information(see paragraph 0032).

As to claim 10, Yamazaki discloses the server wherein the determined information includes start time information indicating the time that the second power source is to start supplying power to the computer(see paragraph 0032).

As to claim 11, Yamazaki discloses the server according wherein the determined information includes stop time information indicating the time that the second power source is to stops supplying power to the computer(see paragraph 0032).

As to claim 12, Yamazaki discloses the server further comprising means for detecting when power load included in the power load information reaches a predetermined threshold value, and wherein the transmitter transmits the determined information indicating that the computer is to be supplied power from the second power source when it is detected that the power load reaches the predetermined threshold value(see paragraphs 0031 and 0032).

As to claim 13, Yamazaki discloses the server wherein the second power supply comprises a battery(built-in battery 204, see Fig. 2).

As to claim 14, Yamazaki discloses the server wherein the battery is portable with and located internally of the computer(see Fig. 2).

As to claim 15, Yamazaki discloses a power management system comprising a server(computer 103, see Fig. 2) connected to a first network(data transmission interface 211, see Fig. 2) and a second network(non-contact connector 601, see Fig. 6), and a computer(wireless communication apparatus 101, see Fig. 2), including a portable power source(external power supply 107, see Fig. 2), the computer connected to the second network. Yamazaki also discloses that the server comprises a transmitter(connection interface 104, see Fig. 2) for transmitting control information indicating the computer is to be supplied power from the portable power source based on power load information input via the first network, and the computer comprising a receiver(control processor 202, see Fig. 2) configured to receive the control information transmitted from the server, and a controller(power controller 203, see Fig. 2) configured to start supplying power from the portable power source based on the information, received from the receiver, indicating the computer is to be supplied power from the portable power source.

As to claim 16, Yamazaki discloses the system wherein the server is connected to a power company(plug socket 106, see Fig. 2) via the first network, and the power load information transmitted from the power company to the server.

As to claim 17, Yamazaki discloses the system wherein the compute further comprising an external power supply input(plug socket 106, see Fig. 2) portion configured to receive power from the power company, and the controller controls supplying power to the computer from the external power supply input portion based on

the control information, received from the server via the receiver, indicating that the computer is to be supplied power from the external power supply input portion.

As to claim 18, Yamazaki discloses the system wherein the computer further comprising a timer configured to maintain time, wherein the control information includes a start time information indicating a time that the controller starts supplying power to the computer from the portable battery, and the controller supplying power from the portable battery when the time reaches to the start time(see paragraph 0032).

As to claim 19, Yamazaki discloses the system wherein the control information includes end time information indicating the time that the controller stops supplying power to the computer from the portable power source, and the controller responsive to the end time information for stopping the supply of power to the computer from the portable power source and starting to supply power to the computer from the external power supply input portion when the time(see paragraph 0032).

As to claim 20, Yamazaki discloses the system wherein the controller charges the portable power source based on the control information, received from the server via the receiver, wherein the control information includes portable power source charge information indicating charging the portable power source when the computer is supplied power from the external power supply input portion(see paragraph 0053).

As to claim 21, Yamazaki discloses the system according to claim 15, wherein the portable power supply comprises a battery(built-in battery 204, see Fig. 2).

As to claim 22, Yamazaki discloses the system wherein the battery is located internally of the electronic apparatus(see Fig. 2).



As to claim 23, Yamazaki discloses a power supply control method in an electronic apparatus(wireless communication apparatus 101, see Fig. 2) which comprises a communication device for communicating with an external device(computer 103, see Fig. 2), a battery(built-in battery 204, see Fig. 2), and an external power supply(external power supply 107, see Fig. 2) input unit for receiving supply of a commercial power supply(plug socket 106, see Fig. 2), comprising the steps of receiving(control processor 202, see Fig. 2), from the external device via the communication device, information indicating the electronic apparatus is to be supplied power from the battery, and supplying(power controller 203, see Fig. 2) power to the electronic apparatus from the battery based on the received information.

As to claim 24, Yamazaki discloses a power management method in a server(computer 103, see Fig. 2) which communicates with a computer(wireless communication apparatus 101, see Fig. 2), comprising the steps of receiving(control processor 202, see Fig. 2) power load(external power supply 107, see Fig. 2) information transmitted from a power company(plug socket 106, see Fig. 2), determining(power controller 203, see Fig. 2) information indicating that the computer is be supplied power from a battery(built-in battery 204, see Fig. 2) contained in the computer based on the received power load information, and transmitting(connection interface 104, see Fig. 2) the determined information.

As to claim 25, Yamazaki discloses a power management method comprising in a server(computer 103, see Fig. 2) which communicates with a plurality of computers(wireless communication apparatus 101, see Fig. 2), performing the steps of

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performing at least one of (1) receiving power load(external power supply 107, see Fig. 2), (2) information transmitted from a power company(plug socket 106, see Fig. 2), (2) determining the power load information based on a time of day and time of year, and (3) determining the power load information based on ambient temperature, and determining information indicating that the plurality of computers are to be supplied power from a second power source(built-in battery 204, see Fig. 2) contained within each of the plurality of computers based on the power load information. Yamazaki also discloses determining a plurality of groups of computers from among the plurality of computers, transmitting(connection interface 104, see Fig. 2) the determined information to each of the plurality of groups of computers, and in each computer within the plurality of groups of computers, performing the steps of receiving(control processor 202, see Fig. 2) the determined information, and based on the determined information, switching(power controller 203, see Fig. 2) a power supply which serves to power the computer from an AC supply to the second power source contained therein.

As to claim 26, Yamazaki discloses the method wherein the determined information includes a time period associated with each of the plurality of groups, and each of the plurality of computers within each group performs the switching step at a time dictated by the time period(see paragraph 0032).

As to claim 27, Yamazaki discloses the method wherein the determined information includes a single time period for all of the plurality of groups, and each of the plurality of computers within each group performs the switching step at a time dictated

by the time period and an offset time stored within each of the plurality of groups(see paragraph 0032).

As to claim 28, Yamazaki discloses the method wherein the server receives an indication of current ambient temperature and selects a pattern data based on the ambient temperature and time of day and time of year(see paragraph 0032).

As to claim 29, Yamazaki discloses the method wherein the determined information includes information directing the plurality of groups of computers to perform one of: (1) switch to the AC power and charge the second power source; and (2) switch to the AC power but not charge the second power source(see paragraph 0053).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Brown whose telephone number is (571)272-5932. The examiner can normally be reached on Monday-Friday from 7:00am to 3:30pm(EST).

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIRS) system. Status information for the published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications are available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 886-217-9197 (toll-free).

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Michael J. Brown  
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**LYNNE H. BROWNE**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2100**